

γ - binding, by their Fc portion (in the case of bispecific antibodies), or by a third specificity (in the case of trispecific antibodies) to Fc receptor-positive cells, wherein the bispecific antibodies are members selected from the group consisting of the following isotype combinations:

rat-IgG2b/human-IgG1,

rat-IgG2b/human-IgG2,

rat-IgG2b/human-IgG3[oriental allotype G3m(st) = binding to protein A],

rat-IgG2b/human-IgG4;

rat-IgG2b/rat-IgG2c;

mouse-IgG2a/human-IgG3[caucasian allotypes G3m(b+g) = no binding to protein A, in the following indicated as *]

mouse-IgG2a/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-
human-IgG3*-[CH2-CH3]

mouse-IgG2a/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-IgG2a/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-[VH-CH1,VL-CL]-human-IgG1/rat-[VH-CH1,VL-CL]-
human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-[VH-CH1,VL-CL]-human-IgG4/rat-[VH-CH1,VL-CL]-human-IgG4-
[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal
region of CH2: > aa position 251]-human-IgG3*[CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge-CH2-CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG2-[hinge-CH2-CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG3-[hinge-CH2-CH3, oriental allotype]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG4-[hinge-CH2-CH3]

human-IgG1/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG2[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG2[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG2/human-[VH-CH1,VL-CL]-human-IgG2-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG4/human-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG3*-[CH2-CH3]

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human-IgG4/human-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

mouse-IgG2b/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-IgG2b/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-[VH-CH1,VL-CL]-human-IgG4/rat-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]

human-IgG4/human-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]

rat/mouse.

- 131
cont.
2. (amended) Method according to claim 1, in which [characterized in that] said antibodies are selected so that they are capable of binding Fc receptor-positive cells having a Fcγ receptor I, II, or III.
 3. (amended) Method according to claim 2, in which [characterized in that], [said antibodies are capable of binding to] said Fcγ receptor I-positive cells are selected from the group consisting of monocytes, macrophages, dendritic cells, ["natural killer" cells (NK cells)] and [or] activated neutrophils.

4. (amended) Method according to claim 1, in which [characterized in that] said antibodies are capable of inducing tumor [tumour]-reactive complement-binding antibodies and thus inducing a humoral immune response.
5. (amended) Method according to claim 1, in which [characterized in that] said antibodies are selected to bind to the T cells via CD2, CD3, CD4, CD5, CD6, CD8, CD28 [and/] or CD44.
- ~~6. (amended) Method according to claim 1, in which [characterized in that] said antibodies are selected so that following their binding to the Fc receptor-positive cells the expression of CD40, CD80, CD86, ICAM-1 and/or LFA-3 as co-stimulatory antigens, and/or secretion of cytokins by the Fc receptor-positive cell is initiated or increased.~~
7. (amended) Method according to claim 1, in which [characterized in that] said antibodies are selected so that the secretion of IL-1, IL-2, IL-4, IL-6, IL-8, IL-12 being cytokines [cytokins and/] or of TNF- α or a combination thereof is increased.
8. (amended) Method according to claim 1, in which [characterized in that] said bispecific antibody is selected to be an anti-CD3 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD4 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD5 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD6 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD8 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD2 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD28 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD44 X anti-tumor [tumour]-associated antigen antibody.
12. (amended) Method according to claim 1, in which [characterized in that] said trispecific antibody is selected from an anti-CD3 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD4 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD5 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD6 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD8 X

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anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD2 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD28 X anti-tumor [tumour]-associated antigen antibody [and/] or anti-CD44 X anti-tumor [tumour]-associated antigen antibody.

13. (amended) Method according to claim 1, **further comprising** [characterized in that in said step c) after incubating the tumour cells with intact heterologous bispecific and/or trispecific antibodies the tumour cells charged with antibodies are prepared for reinfusion (short-term incubation)] **d) preparing the antibody-tumor cell**

preparation containing vaccine.

14. (amended) Method according to claim 1, **in which** [characterized in that] in said step c) [the incubation of the tumour cells with antibodies is performed together with mononucleated cells of the peripheral blood (PBMC =] peripheral blood mononucleated cells)[,] are added **and thereby activated** [or mononucleated cells are added after incubation of the tumour cells with the antibodies and the incubation is continued (long-term incubation)] **said method further comprising d) preparing a vaccine comprising the thus activated peripheral blood mononucleated cells.**

15. (amended) Method according to claim 1, **in which** [characterized in that] said **tumor** [tumour] cells are incubated with the antibodies for a period of 10 minutes to 5 hours.
16. (amended) Method according to claim 1, **in which** [characterized in that] said **tumor** [tumour] cells are incubated with the antibodies for a period of 15 minutes to 120 minutes.
17. (amended) Method according to claim 14, **in which** [characterized in that] said mononucleated peripheral cells are incubated with the **tumor** [tumour] cells and the antibodies for a period of 1 to 14 days.
18. (amended) Method according to claim 14, **in which** [characterized in that] said mononucleated peripheral cells are added in the amount of about 10^8 to 10^{10} cells.

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19. (amended) Method according to claim 1, in which [characterized in that] said tumor [tumour] cells are present [added] in the amount of about 10^7 to 10^9 cells.
20. (amended) Method according to claim 1, in which [characterized in that] said bispecific [and/]or trispecific antibodies are added in an amount of 2 to 100 μg .
21. (amended) Method according to claim 1, in which [characterized in that] said treating of the tumor [tumour] cells in step b is performed by irradiation.
22. (amended) Method according to claim 1, in which [characterized in that] said bispecific [and/]or trispecific antibodies are capable of activating the Fc receptor-positive cell whereby the expression of cytokines [cytokins] and/or co-stimulatory antigens is induced or increased.
23. (amended) Method for [Use of the tumour cell containing preparation according to claim 1 in] the prevention and/or treatment of a tumorous [tumourous] disease[s], comprising administering to an individual susceptible to such disease a tumor cell preparation prepared according to the method of claim 1.
24. (amended) Method [Use] according to claim 23 for inducing an anti-tumor [tumour] immunity in an individual, comprising administering to said individual a tumor cell preparation prepared according to the method of claim 1.
25. (amended) Method for immunizing an individual against tumor cells, comprising administering to said individual a tumor cell preparation prepared according to the method of claim 1 in which said [for the preparation of] autologous tumor cells used in preparing said preparation were [treated with heterologous bispecific and/or trispecific antibodies for reinfusion into the patient or the animals from whom the autologous tumour cells have been] obtained from said individual.
26. (amended) A pharmaceutical composition comprising [containing] a tumor [tumour] cell preparation obtained by the method of claim 1.